



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Vivek R. Pradhan et al.

APPLICATION NO.: 09/918,930

FILED: July 31, 2001

FOR: Multistage Process for Removal of  
Sulfur from Components for Blending of  
Transportation Fuels

Confirmation No. 4571

Group Art Unit: 1764

Examiner:  
Walter D. Griffin

Attorney Docket No.:  
37,318



04249

PATENT TRADEMARK OFFICE

AMENDMENT A

CERTIFICATE OF MAILING

Commissioner  
for Patents  
Washington, D.C. 20231

Sir:

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED  
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on February 18 2003

By Carol M. Neth  
(Signature)

CAROL M. NETH  
(Typed or Printed Name of Person Signing Certificate)

In response to the Office Action mailed November 06, 2002, please amend the above-identified application as follows:

ANY ADDITIONAL FEES REQUIRED  
CHARGE TO DEPOSIT ACCOUNT  
NO. 01-0528

I. In the Claims

Please replace Claim 1 with the following:

1. (Amended) A process for the production of products which are liquid at ambient conditions and contain organic sulfur compounds of higher molecular weight than corresponding sulfur-containing compounds in the feedstock, which process comprises:

providing a feedstock comprising a mixture of hydrocarbons which includes olefins and sulfur-containing organic compounds, the feedstock consisting essentially of material boiling between about 60° C. and about 345° C. and having a sulfur content up to about 5,000 parts per million;

in an initial contacting stage at elevated temperatures, contacting the feedstock with an acidic catalyst under conditions which are effective to convert a portion of the sulfur-containing